

What is claimed is:

1. A method for capturing biological tissues, comprising main steps as follows:

5 step a: placing a cellular tissue on a biological tissue slide, and then, inverting said biological tissue slide and fixing said biological tissue slide on a working platform;

step b: labeling the desired tissue profile of the cell sample to be captured, and controlling a micro-feeding mechanism through a controlling circuit to drive said working platform for carrying out tissue capturing;

10 step c: cutting a minute profile of a cell sample using a contactless cutting apparatus;

step d: after cutting the tissue profile of the cellular sample, said controlling circuit output a signal to drive said working platform such that the center of said cellular sample thus cut and being able to be
15 captured will move precisely against the impact lever linking head of a impact lever moving mechanism;

step e: said impact lever moving mechanism applying an impact force to impact said biological tissue slide thereby drop down said captured cell sample;

20 step f: said captured cell sample dropping and passing exactly through a tissue sampling hole provided on a tissue sample protecting means into a sampling mortar; and

step g: accomplishing the action of capturing cell sample specimens.

2. A device for capturing biological tissues, comprising:

a contactless cutting apparatus, comprising a tool for cutting biological cellular tissue through laser beam heating based on the principle of focusing the laser beam into a point such that, as said laser beam point illuminating said biological cellular tissue, the high heat of said laser beam can heat and evaporate said tissue and hence cut said illuminated area to achieve the effect of dissecting and cutting;

a micro-feeding mechanism, for driving a working platform;

a working platform, for fixing a biological tissue slide thereon such that a target tissue to be captured can be labeled through the displaying of a microscope, and, by moving said micro-feeding mechanism and said contactless cutting apparatus, the cellular tissue can be cut along a profile;

an impact lever moving mechanism, for providing an impact force or vibration force from up to down such that the captured cell sample can drop down through a tissue sampling hole into a sampling mortar;

an impact lever linking head, comprising a flexible part provided at the front end of said impact lever moving mechanism for protecting said biological tissue slide, whereby as said impact lever moving mechanism applying an impact force upon said biological tissue slide, said cellular sample to be captured can drop down;

a biological tissue slide, comprising a flat clear sheet for placing said biological cellular tissue thereon;

a tissue sample protecting means, comprising a thin and flat sheet provided with said tissue sampling hole that penetrates through said

means and has a diameter just equal to the diameter of said sampling mortar; and

a tissue sampling hole, being provided on said tissue sample protecting means in a manner that, as said impact lever linking head applying from
5 up to down an appropriate impact force or vibration force onto the target region to be captured, said captured cell sample can drop exactly into said sampling mortar located below said target tissue so as to prevent any unwanted cell sample from dropping into said sampling mortar and thus achieve the object of capturing the desired minute biological cellular
10 tissue.

3. A method for capturing biological tissue as recited in claim 1, wherein said contactless cutting apparatus cuts said cellular tissue by means of an air knife.
4. A device for capturing biological tissue as recited in claim 2,
15 wherein said contactless cutting apparatus cuts said cellular tissue by means of an air knife.